

**Say:** The A of the ABCs of Supervision is Anticipation.

**Discuss:** Do you have any ideas on what some of the concepts for the "A" in Anticipation could be? (1 minute)



**Say:** Now, let's take a look at the Anticipation video.

https://playgroundsafety.org/protectedpage?destination=/videos/anticipation&protected page=3

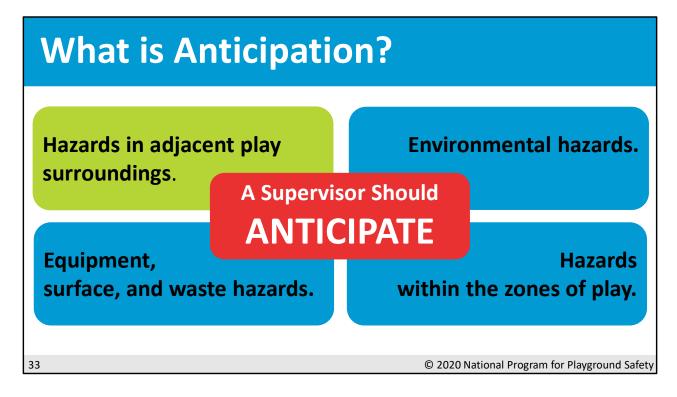
- 1. Click the link above
- 2. Enter in the access code
- 3. Click Play

# What concepts in the video stood out?



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Discuss: What concepts in the video stood out? (1-2 minutes)



**Say:** As we learned in the video, Anticipation is the act of looking forward and making predictions. As trained child-care providers that supervise children on the playground, supervisors should anticipate situations and conditions that may become hazardous.

There are four <u>preventable</u> problems and hazardous situations that supervisors can anticipate to ensure young children will be safe:

- 1. Anticipate hazards in adjacent play surroundings
- 2. Anticipate environmental hazards
- 3. Anticipate equipment, surface, and waste hazards
- 4. Anticipate hazards within the zones of play



**Say:** It is important for supervisors to be aware of the entire outdoor play area to reduce the potential risk of harmful situations. The entire outdoor play area includes:

- Parking lots
- Adjacent roads
- Bodies of water

### **Anticipating Hazards in Adjacent Play Surroundings**







**Electrical Hazards** 

Unwanted Animals

Unknown Individuals

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#### Say:

- Electrical hazards
- Unwanted animals
- Unknown individuals

# **Supervisor Actions Make a Difference**



- Scan for construction hazards, vehicular concerns or unknown adults.
- Scan for animals, animal feces, and remove insect nests.
- Be aware of non-leashed dogs or other animals on the loose.
- Pay attention to other adults on the playground. Direct those without correct identification to the office.
- Look for exposed electrical wires and cables. If they are accessible, be sure proper personnel are notified to eliminate hazards.

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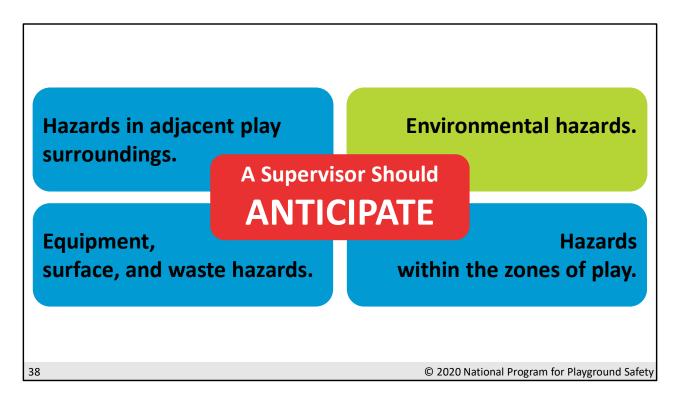
**Say:** Here are five suggested supervisor actions in which one can check to make sure the surrounding area is safe.

- <u>First:</u> Scan parking lots, adjacent streets, and roads for construction hazards, vehicular concerns or unknown adults.
- <u>Second:</u> Scan the surrounding area for animals, animal feces, and insect nests. Remove animal feces prior to childrens' arrival. Notify maintenance personnel to remove stinging insect nests.
- Third: Be aware of non-leashed dogs or other animals on the loose.
- <u>Fourth:</u> Pay attention to other adults on the playground. Direct those without correct identification to the office.
- <u>Fifth:</u> Look for exposed electrical wires and cables. If they are accessible, be sure proper personnel are notified to eliminate hazards.

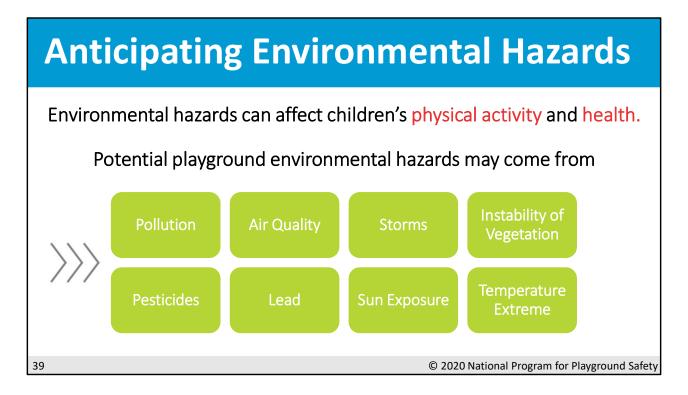
These supervision action steps should done be prior to the children entering the play environment.

What else could be done to keep and appropriate?	the area safe
37	© 2020 National Program for Playground Safety

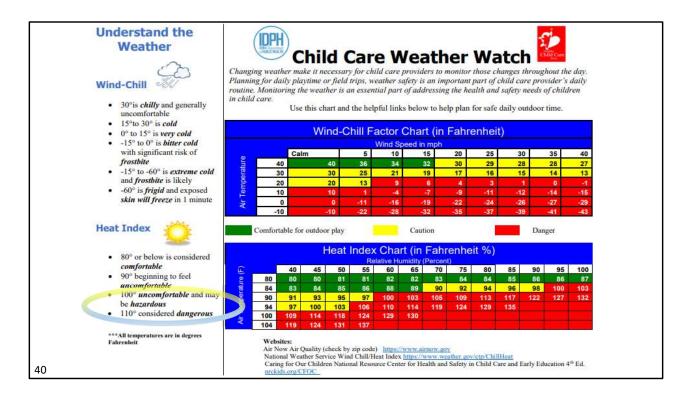
**Discuss:** (1-2 minutes) What else could be done to keep the area safe and appropriate?



**Say:** The second component a supervisor should anticipate is environmental hazards.

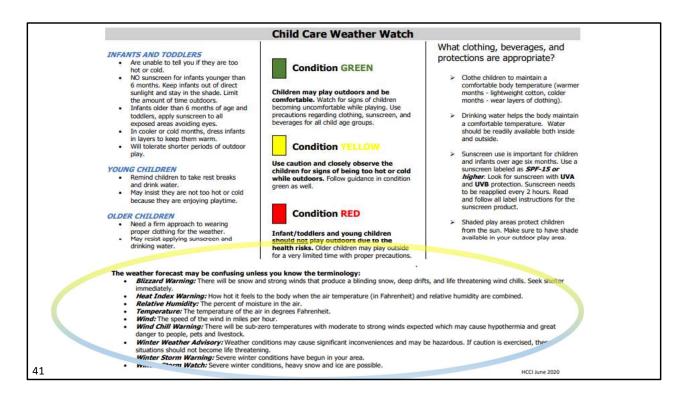


**Say:** Environmental hazards can affect children's physical activity and health. Potential playground environmental hazards can be from pollution, air quality, storms, instability of trees or other vegetation, pesticides, lead, sun exposure, and temperature extremes. Supervisors should monitor these environmental factors as part of their supervision responsibilities.

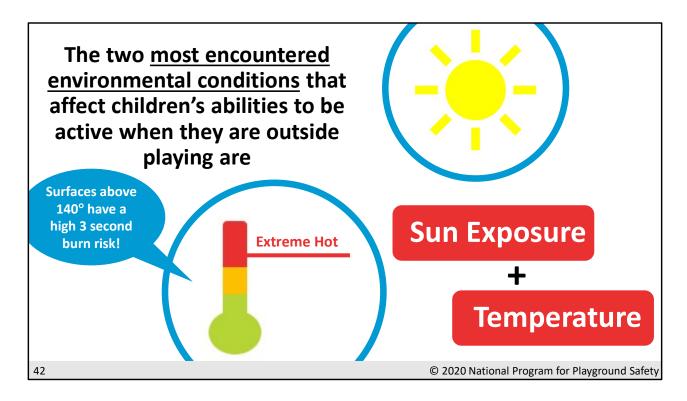


**Say:** Changing weather makes it necessary for child-care programs and providers to monitor the weather throughout the day.

**Discuss:** How are you (or how could you be) utilizing this IA resource? (allow 2-3 minutes for participants to discuss and share)



**Say:** Anticipating environmental hazards begins with knowing what, and where, to watch for information, and knowing terminology. The Iowa Child Care Weather Watch is a great resource to use.



**Say:** The two most encountered environmental conditions that affect children's abilities to be active when they are outside playing are Sun Exposure and Temperature.

### **Sun Exposure**





NPPS encourages monitoring UV exposure!

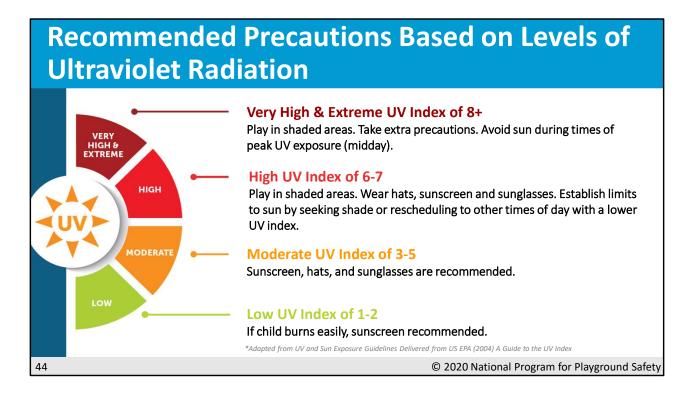
The sun is at its highest intensity from 10:00 am - 2:00 pm.

43

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**Say:** Sun exposure is necessary for young children. However, too much sun exposure can have negative effects. Playgrounds often lack adequate shade. Supervisors need to be aware that overexposure to solar radiation can negatively impact long-term health. The sun is at its highest intensity from 10 am to 2 pm. Many times, this coincides with a popular time for young children to be outdoors.

**Ask:** Are there other opportunities to get Iowa young children outside more? Perhaps programs may want to schedule outdoor experiences when temperatures are cooler?



**Say:** The National Program for Playground Safety encourages monitoring Ultraviolet exposure to make decisions for outdoor play. To monitor UV radiation, supervisors can use their weather app on their phone, or a local weather channel or radio station to find out what the hourly UV index rating is.

When the UV Index is 8 or more, avoid the sun – play in shaded areas.

For a UV Index of 6-7, play in shaded areas. Wear hats, apply and reapply sunscreen, and wear sunglasses.

For a UV Index around 3-5, play outside, wear hats, and apply sunscreen. Per DHS regulation, sunscreen should be applied even when there is a low UV index.

As you can see on the chart, the higher the rating the more precautions need to take place.

## **Check the UV Radiation**



# What are the action steps? When should programs check the UV?



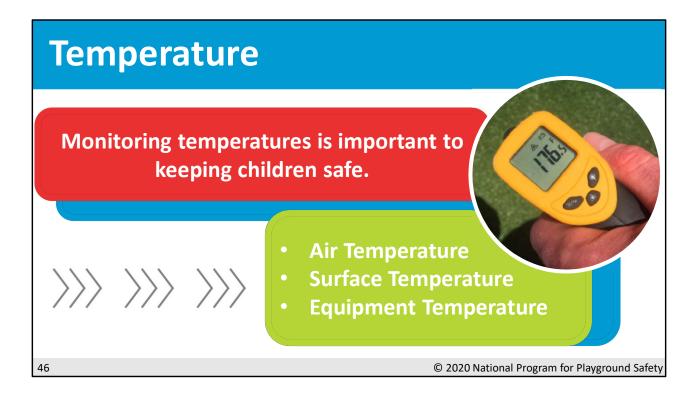
45

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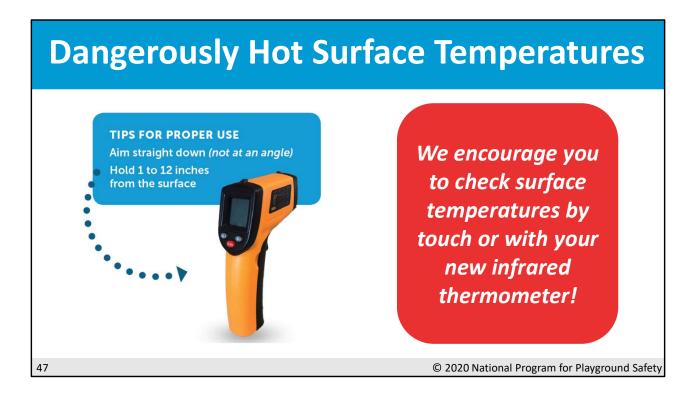
Say: Take out your phone to see what today's UV rating is.

**Discuss:** Based on the result, what are the action steps we should take? (1-2 minutes)

**Discuss:** When should programs check UV? (1-2 minutes)



**Say:** The second environmental condition that impacts the playground the most is temperature. The temperature of the playground – air temperature, surface temperature, and equipment temperature – can have a dramatic effect on children's movement, physical activity, and behavior. Monitoring temperatures is important to keep children safe.



**Say:** The Consumer Product Safety Commission (CPSC) has reported approximately 240 children per year are burned severely enough to warrant an emergency room visit (2012). Research has shown temperatures of playground materials (e.g. slides and rubber services) that have been recorded up to 189 degrees F, which <u>can burn a child's skin in less than 3 seconds</u> (Vanos, et al. 2016). We encourage you to check surface temperatures by touch or with an infrared thermometer.



**Say:** Slides have been found to be dangerously hot under certain conditions. According to the Consumer Product Safety Commission (CPSC), plastic can become too warm for comfort or safety with outdoor temperatures as low as 74 degrees F.



**Say**: Artificial playground surfacing materials (such as rubber and turf) have been found to be dangerously hot under certain conditions as well. Be sure to pay close attention to those areas.

# **Check the Temperature**



### What temperature is dangerously hot?



50

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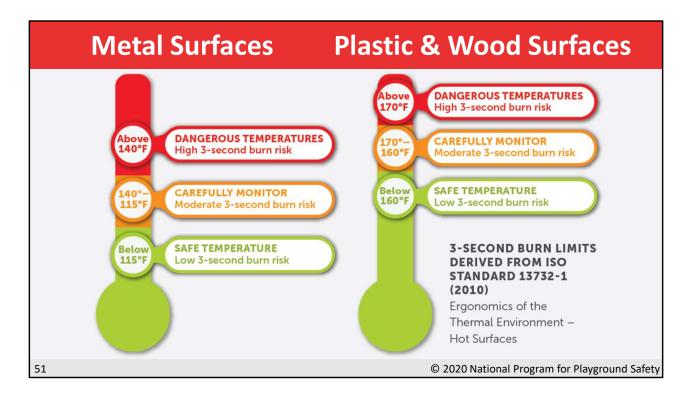
**Say:** Take out your phone to see what today's Temperature is.

Even though, the temperature is \_\_\_\_\_ that doesn't mean the surfacing and equipment will have the same temperature. The temperature of surfacing and equipment will likely be higher. A digital infrared thermometer is a good tool to use to check the temperature of any surface.

**Discuss:** Earlier in the training, I highlighted a temperature that can become dangerously hot. Does anyone remember what temperature is too hot for surfacing and equipment? (1 minute)

Answer: 140° F (115°-140° F should be monitored closely)

(Slide 21 or Slide 49) for discussion highlight.



**Say:** Providers can refer to this diagram to decide what is the best course of action. The thermometer on the left is for metal surfaces. For metal surfaces, surface temperatures below 115 degrees are safe, surfaces between 115-140 degrees should be monitored regularly, and surfaces above 140 degrees could cause a burn within 3 seconds. The thermometer on the right is for plastic and wood surfaces. For those surfaces, surfaces below 160 degrees are safe, surfaces between 160-170 should be monitored regularly, and surfaces above 170 degrees could cause a burn within 3 seconds.

**Instructor Resource:** Inside the supervision fanny pack is a notecard with this image. You could pull it out as a visual teaching tool.

#### ANTICIPATING ENVIRONMENTAL HAZARDS

- ✓ Pay attention to the spraying of insecticides or pesticides.
- ✓ Use the digital infrared thermometer to check equipment temperatures.
- ✓ Monitor the UV index.
- ✓ Encourage the application of sunscreen and hats.
- ✓ Work with local health departments and state regulations.

52

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**Say:** We encourage supervisors to anticipate potentially unsafe environmental hazards. Supervisors must:

- Pay attention to the spraying of insecticides or pesticides in the environment.
- Use the digital infrared thermometer to check equipment temperatures. Be sure to pay special attention to metal equipment (slides, railings, and steps).
- Utilize local forecasts to monitor the UV index (commonly reported on many smartphone weather apps and weather websites).
- Encourage the application of sunscreen and hats before going outside.
- Work with local health departments and state regulations for following guidelines for managing UV exposure.

# What actions can supervisors take to protect children from environmental dangers?



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Discuss: What actions can supervisors take to protect children from environmental dangers?



**Say:** Supervisors can play an active role in being sure hats and sunglasses are worn, as well as ensuring sunscreen is applied appropriately.

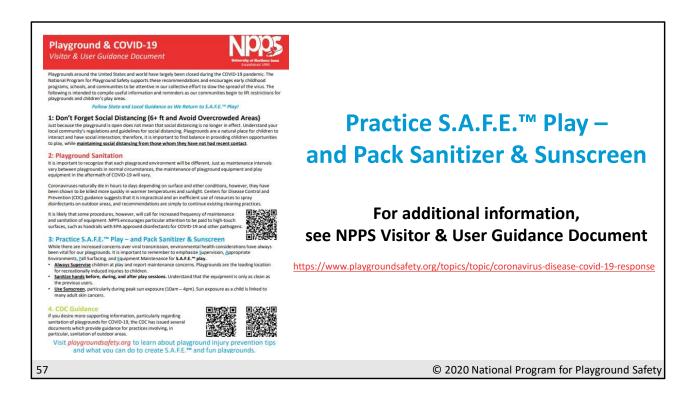


**Say:** For outdoor spaces sunscreen station are a good idea, and helpful for supervisors and children.



**Say:** Playground safety includes the health and well-being of a child. Supervisors play an important role in preventing injuries and incidents, but they can also encourage healthy practices, such as washing hands.

Washing hands before, during, and after outdoor play is important to reduce the spread of germs. If no running water is available and hands are not visibly dirty, hand sanitizer may be used on children with supervision. Remember to always store hand sanitizer out of reach of children.



**Say:** Supervisors can encourage safe play by being attentive to sanitation. NPPS has a playground visitor guidance document that provides useful reminders for safe and clean play. To learn more, this free informational sheet can be found at www.playgroundsafety.org under the topics tab.



**Say:** The third component a supervisor should anticipate is Equipment, Surfacing and Waste Hazards.

# What problems have been reported or observed regarding equipment, surfacing, or waste?



59

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**Discuss:** (If there is time). What problems have been reported or observed regarding equipment, surfacing, or waste? (1-2 minutes) (If possible, ask if participant has a photo to share).



**Say:** Again, the third action for Anticipation is to check the safety of equipment and materials. Supervisors should be attentive to potential equipment, surfacing, and waste hazards.

An easy to use tool to check the safety of equipment and surfacing is the National Program for Playground Safety's Report Card. We will talk more about the report card in a few minutes during our second activity.

#### **Equipment Hazards**

**Surfacing Hazards** 

**Waste Hazards** 

- Check for broken equipment and missing parts.
- Check for protruding bolts, head entanglements, and sharp points.
- Check for rust, splinters, and cracks.
- · Identify & remove loose ropes.
- Be sure loose-fill surface material is maintained at the proper depth.
- Check to make sure surfacing material is not dangerously hot.
- Remove debris, broken glass, containers, and sharp objects.
- Check for and address graffiti.

61

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**Say:** <u>Prior</u> to children playing on equipment, supervisors need to anticipate and check for equipment, surfacing, and waste hazards. If a hazard can be corrected immediately, supervisors should fix the problem. However, if the hazard requires maintenance personnel, supervisors should document the issue and follow procedures for maintenance repairs. NPPS recommends keeping children off the equipment until the situation is corrected

To minimize equipment hazards to be sure to

- Check for broken and missing pieces of equipment.
- Examine equipment for protruding bolts, head entrapments, and sharp points.
- Check for rust, splinters, and cracks.
- Identify and remove any loose ropes.
- Be sure the loose-fill surface material is maintained at the proper depth.
- Check to make sure the surfacing material is not dangerously hot.
- Identify and remove any foreign materials such as debris, broken glass, containers, sharp objects, animal feces, toys, sticks and stones
- Check for and address graffiti

**Equipment Hazards** 

**Surfacing Hazards** 

**Waste Hazards** 

- Check for inadequate levels of surfacing materials.
- Pay attention to high-use equipment.
- Look for exposed concrete.
- Look for surfacing with pooling water.
- Be aware of frozen loose-fill surfacing.

62

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Say: To minimize surfacing hazards to be sure to

- Check for inadequate levels of surfacing materials.
- Pay attention to high-use equipment.
- Look for exposed concrete.
- Look for surfacing with pooling water.
- Be aware of frozen loose-fill surfacing.

**Equipment Hazards** 

**Surfacing Hazards** 

**Waste Hazards** 

- Check for material and trash hazards.
- Look for debris, broken glass, animal feces, plastic/aluminum containers, and sharp objects.
- Check if materials present biohazards.
- Use gloves, bread bags, or plastic grocery bags to remove hazards.

63

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Say: To minimize waste hazards to be sure to

- Check for material and trash hazards.
- Look for debris, broken glass, animal feces, plastic/aluminum containers, and sharp objects.
- Check if materials present biohazards.
- Use gloves, bread bags, or plastic grocery bags to remove hazards.

**Say:** Again, taking these steps need to be done prior to children playing on equipment. If a hazard can be corrected immediately, supervisors should fix the problem. However, if the hazard requires maintenance personnel, supervisors should document the issue and follow procedures for maintenance repairs. NPPS recommends keeping children off the equipment until the situation is corrected



**Say:** The fourth component a supervisor should anticipate is Hazards within the Zones of Play.

# **Anticipate Zones of Play Hazards**

- ✓ Monitor children to ensure play on age appropriate equipment.
- ✓ Position oneself be able to see the play spaces and hear the children.
- ✓ Know how to respond to emergencies.

Equipment is NOT a one-size-fits-all solution!

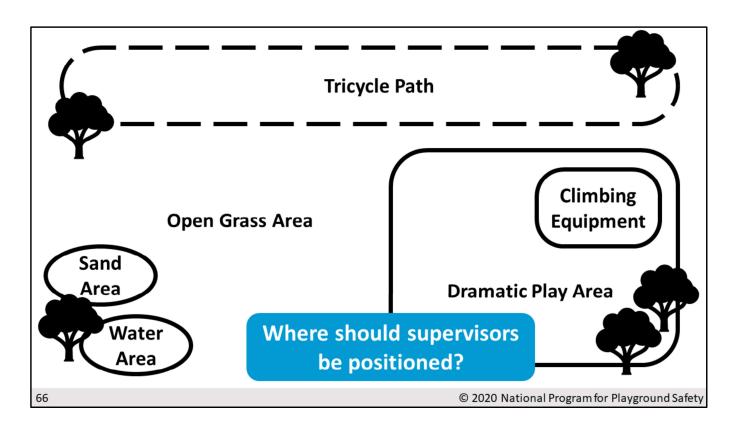
65

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**Say:** Zones of play relate to the management and planning of the space, given the age of children, size of space, type of equipment, and type and amount of loose parts and toys.

Play areas should be suitable for child developmental skills and abilities. Providing separate areas for younger and older children accommodates healthy play opportunities and allows for quality supervision. Open sightlines refer to several angles of visual access. To anticipate the zones of play hazards:

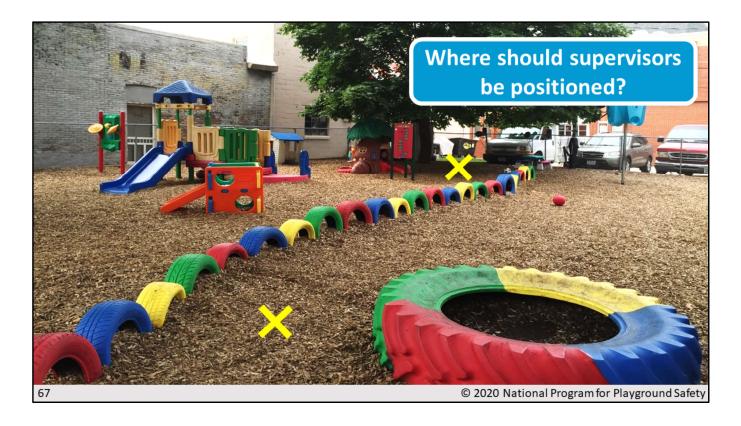
- Monitor children to ensure play on age appropriate equipment.
- Position oneself to be able to see the play spaces and hear the children.
- Know how to respond to emergencies, from the interior and exterior of a structure, to aid an injured child.



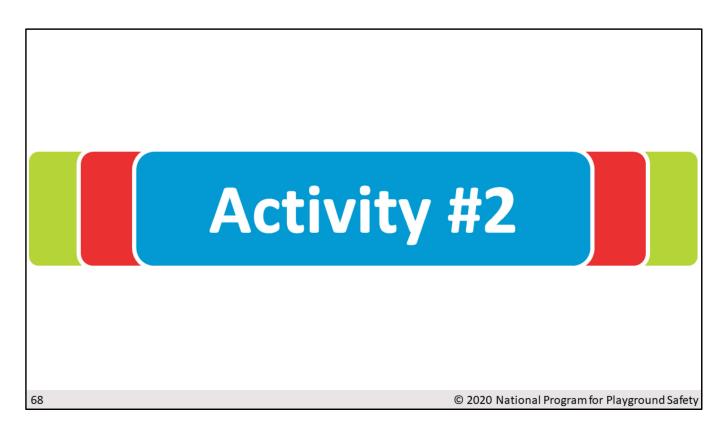
**Discuss:** Where should supervisors be responsible within the zones of play? Why did you come to that conclusion?

Allow participants to explain and share rationale.

**Say:** The answer varies with age of children, but the critical factor is getting staff on the same page.



Discuss: (<1 minute) Where should supervisrs be positioned within the zones of play?



See Activity Plan #2 for your reference

# **NPPS Playground Safety Report Card**

- Complete the Playground Report Card.
- Discuss findings in small groups.
- What steps need to be taken if any of the criteria statements were considered "No"?
- Is the playground safe to play on using the scoring system?

69

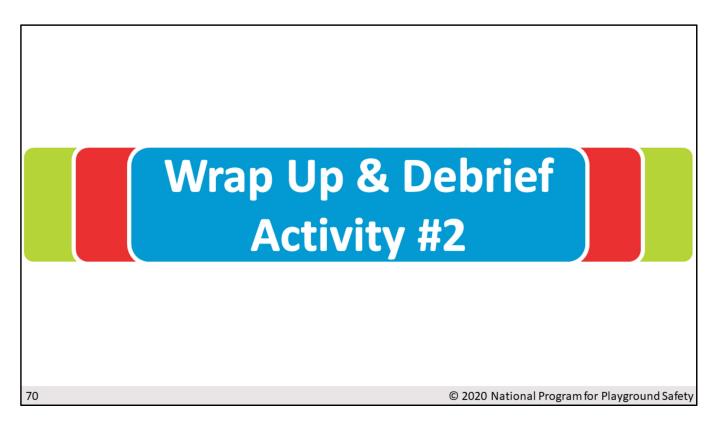
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#### **Directions: OPTION A** (if onsite playground is available)

- 1. Take the participants outside to an outdoor play area.
- 2. Handout the NPPS Safety Report Card to each participant.
- 3. Instruct the participants to walk around the outdoor environment and answer each question.
  - Decide if each criteria statement is considered "Yes" or "No".
  - If you need clarification, there are explanations on the back of the Safety Report Card.
- 4. Once completed, have each person count the number of "no's." Have each person say how many "no's" they recorded.
- 5. If time permits, go over each question and discuss why yes, or why no. Participants may need to change their answer based on the conversation and findings.
  - Use the Guide and Directions on the backside of the Playground Safety Report Card to facilitate conversation.

#### **Directions: OPTION B** (if onsite playground is unavailable)

- 1. Place participants into small groups.
- Handout NPPS' Playground Safety Report Card.
- 3. Have groups discuss the Playground Safety Report Card
  - Discuss each section of the report card.
  - How could the report card be used at programs?
  - Who should use the report card? And when should the report card be used?
  - What are the procedures when a question is answered "no"?
  - Does anyone have photos to show that would capture the report card question(s)? If so, show and discuss.



Wrap Up, Summarize, and Debrief: What did you find to be the most important? What do you want to implement at your childcare program? (1-2 minutes)



**Say:** The playground safety report card helps with checking for hazards in the play environment and surrounding areas. Here is how you can find the Report Card on NPPS's website.

- 1. Go to NPPS's website, PlaygroundSafety.org
- 2. Click the Topics tab
- 3. Scroll and select Playground Safety Report Card
- 4. Click Download the Report Card (PDF)

This can also be found on page 56 of the Playground Supervision Manual